

What is claimed is:

1. A flashlight comprising:

a battery housing having a first and second end;

a socket positioned at the first end of the battery housing;

a lamp bulb positioned in the socket;

a head assembly threadably engaged with the battery housing about the socket;

an end cap at the second end of the battery housing having a cavity therein open at a first end of the end cap toward the battery housing and a port open to atmosphere from the cavity and displaced from the first end of the end cap;

an insert in the cavity having a cross section providing for a longitudinal passage between the insert and the end cap in the cavity and a lip seal about the insert and extending to the end cap in the cavity fully about the insert and included toward the port to form a one-way seal allowing flow from the battery housing to the port.

2. The flashlight of claim 1, wherein the battery housing contains a circumferential channel.

3. The flashlight of claim 2, wherein the head assembly includes a lens and a reflector, the reflector extending around the lamp bulb and the lens being adjacent to the lamp bulb and opposed to the reflector, the head assembly enclosing the first opening of the battery housing and thereby forming a closed internal volume having a passageway extending from the closed internal volume through the circumferential channel to atmosphere.

4. The flashlight of claim 3, further comprising a one-way seal valve in the circumferential channel oriented to permit gas flow through the passageway from the closed internal volume to atmosphere.
5. The flashlight of claim 1, wherein the port is between the end cap and the battery housing.
6. The flashlight of claim 5, wherein the battery housing and the end cap have mating threads, the port extending between the mating threads.
7. The flashlight of claim 5, wherein the lip seal is a seal ring having a flexible flange extending to seal against a side of the end cap in the cavity and inclined toward the port to form a one-way seal.